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TRANSMITTAL LETTER FOR THE STATE OF NEW JERSEY DEPARTMENT OF
ENVIRONMENTAL PROTECTION COMMENTS ON ADDITIONAL CLOSURE SAMPLING AT
DEMILITARIZATION FURNACE AREA NWS EARLE NJ
6/15/1992
STATE OF NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION



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**State of New Jersey
Department of Environmental Protection and Energy**

Division of Responsible Party Site Remediation

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Scott A. Weiner
Commissioner

Karl J. Delaney
Director

Mr. Brian J. Helland
Senior Environmental Engineer
Northern Division
Naval Facilities Engineering Command
U.S. Naval Base, Bldg. 77L
Philadelphia, PA 19112-5094

15 JUN 1992

Dear Mr. Helland:

Re: Naval Weapons Station Earle
Colts Neck, Monmouth County
Demilitarization Furnace

The Department has reviewed the report on additional closure sampling at the demilitarization furnace area. The Departments comments are as follows.

1. The document fails to provide a complete summary of the first round of soil samples. Such a summary in this document would be useful for correlation with the results of this phase of sampling.
2. The report states that the results were compared to the "Non-residential Surface Soil Cleanup Standards" recently proposed by the Department. In addition total chromium in soils was compared to the NJDEPE soil action level of 100 ppm. This report should compare results to the most stringent standards, the residential cleanup standards. This is appropriate based on the fact that family housing, child care facilities, and family recreation centers exist on the Station property. Use of non-residential standards can only be considered in the Feasibility Study phase of remediation. Also, the appropriate action level for chromium is 500 ppm.
3. Based on sampling results for this site, lead and cadmium appear to be the contaminants of concern at this site. The Navy must reevaluate the results for these compounds in surface and subsurface soils with respect to the residential cleanup standards.
4. The Department does not concur that sample location I-1 adequately represents natural background soil conditions. This location is only 50 feet away from the furnace facility and may have been impacted by emissions from the facility.

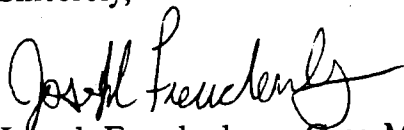
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5. Sample I-14 is omitted from both the figure and text in section 3.1

6. Based on the presence of elevated levels of lead and cadmium to a depth of 2.5 - 3.0 feet and the relatively shallow depth to first ground water in the vicinity, it is required that shallow ground water must be investigated prior to closure of the demilitarization site.

Please incorporate these comments into the cleanup plan that will be prepared for this site. If you have any questions please call me at (609) 633-1455.

Sincerely,



Joseph Freudenberg, Case Manager
Bureau of Federal Case Management

- c. Jerry Hoover, Northern Division
Paul Ingrisano, USEPA
Ken Petrone, BEERA/DPFSR
Linda Welkom, BGWPA/DPFSR

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